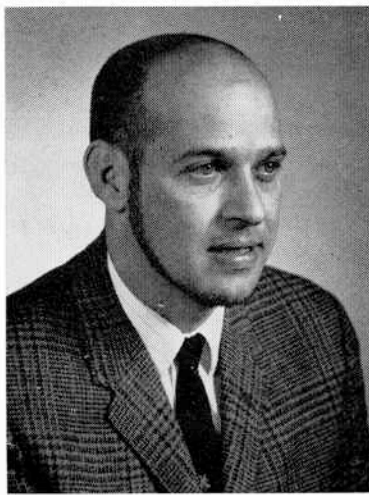




James L. Lenderman



Wade W. Clem

## Inspection Promotes Foremen During 1967

### Lenderman And Clem In Supervisory Posts

Dimensional Inspection promoted two inspectors last year to foremen . . . James L. Lenderman and Wade W. Clem.

Lenderman came to Y-12 March 8, 1954, after working with the Alcoa Aluminum Company, Alcoa; du Pont, at Aiken, South Carolina, and the Crosley Corporation, Evandale, Ohio.

He attended Knoxville Business College and the Tennessee Radio Service School.

The new foreman is a native of Coker Creek, Tennessee (in Monroe County) and is married to the former Betty Headrick.

The Lendermans live at 116 South LaSalle Road, Oak Ridge, and have three sons, James, Benny and William . . . and a daughter Janice.

Lenderman served from 1946 until 1948 in the U. S. Army.

Promoted at the same time as Lenderman was Wade W. Clem, a native of Athens, Alabama.

Clem now lives at 517 West Rockwood Street, Rockwood. He worked with the E. C. Jones Construction Company, there, and at a service station before coming to Y-12 March 11, 1954. He also worked with General Motors Corporation, Detroit.

Clem is married to the former Carlene Brown.

Wade apologized recently for the beard . . . says he is not a hippy or a flower-child. It seems that Rockwood is getting ready for some sort of historical celebration.

But more of that later.

### NO EFFORT AT ALL

The only thing that comes without effort is age.

## Elks Celebrate Century Of Service

A salute to the Benevolent and Protective Order of the Elks, which will be 100 years old Friday, February 16.

It was February 16, 1868 that a group of theatre folks in New York got together and formed the first Elks Club.

The Oak Ridge chapter 1684 was founded December 12, 1945 with 112 charter members. It now has 571 members dedicated to its community service, youth organizational work and many other worthwhile projects. Since 1949 the local Elks have managed the Cancer Drive.

Mayor A. K. Bissell has designated Friday as Elk's Day in Oak Ridge.

The Elks membership roles in Oak Ridge resembles a Y-12 organizational chart, with many, many prominent Y-12ers involved in the BPOE work.

Congratulations!

## GE's Ziegler Is ASME Speaker

The Oak Ridge subsection of the American Society of Mechanical Engineers meets tomorrow, Thursday, February 15. The meeting begins with a social hour at 7 p.m. in the Troubadour Room of the Alexander Motor Inn. The program officially begins at 8.

Glen Ziegler, district manager, Central Air Conditioning Department of the General Electric Company, Louisville, Kentucky, will speak on "The New High Reliability Heat Pump for Home Modernization."

As part of the continuing education program, a 20-minute film, "Thinking Machines—Approaches and Experiments in Machine Intelligence," will be shown at 7:30 p.m.

THE WHITE HOUSE  
WASHINGTON

During the past year our nation has been rocked by a series of riots and racial violence such as we have never before experienced. There can be no justification for such breakdowns in law and order and wanton killing and looting. The law of the land must at all times prevail -- and be respected and obeyed -- or the causes of freedom, equality, and national unity are lost.

Yet the causes of freedom, equality, and national unity might equally well be lost if the evils of poverty, apathy, ignorance and bigotry were allowed to prevail.

One hundred and ninety-one years ago our Declaration of Independence enunciated the principle that all men were created equal, and that they were endowed by their Creator with certain inalienable rights. These rights were later explicitly guaranteed in our Constitution and Bill of Rights. We must live up to that guarantee and make these rights a reality for every American citizen.

I call upon all Americans to join the National Conference of Christians and Jews in the observance of Brotherhood Week, 1968, and in the support of its intensive year-round educational program in behalf of national unity. If unity is ever to be achieved, education for better human relations must continue not only during Brotherhood Week, but throughout the year in our schools and colleges, in our churches and synagogues, in our police academies and in our community forums.

Let us move swiftly and surely in the months ahead to insure that all Americans, in truth, are treated equally as partners in our National life, and as brothers in the human family.



### Brotherhood Week

## Religion, Democracy Both Outlaw Prejudice

The week between the birth-days of Lincoln and Washington has been traditionally set aside as Brotherhood Week.

If you belong to any of the world's major religions, the dictates of your teachings point to the brotherhood of man, under the fatherhood of God. It's as simple as that.

The truths that are 'self evident' in our constitutional government do not necessarily state that you love everyone. It merely states that everyone be given a 'fair shake.'

Or, better still, consider it from a selfish angle. Your own mental health is better if your mind is not clogged with ancient, outmoded ideas of prejudice and bigotry. Your own life is richer and fuller if you respect other people and have a genuine interest in their well-being.

The National Conference of Christians and Jews strives for an understanding between all men. The NCCJ is not a religious organization. It is an inter-faith group dedicated to the fundamental principles of democracy and, like democracy, motivated by the basic tenets of the Judeo-Christian religion—belief in the prime worth of the individual.

By historic appointment, the United States has become the cornerstone of freedom throughout the world. By example, the democratic form of government must shine as a model for the rest of a beleaguered world.

Will we then let the lies of the bigots, the whispers of the hate-mongers replace the nobility of our religions . . . the heritage of our God-given freedom?

As always, the stakes are high.

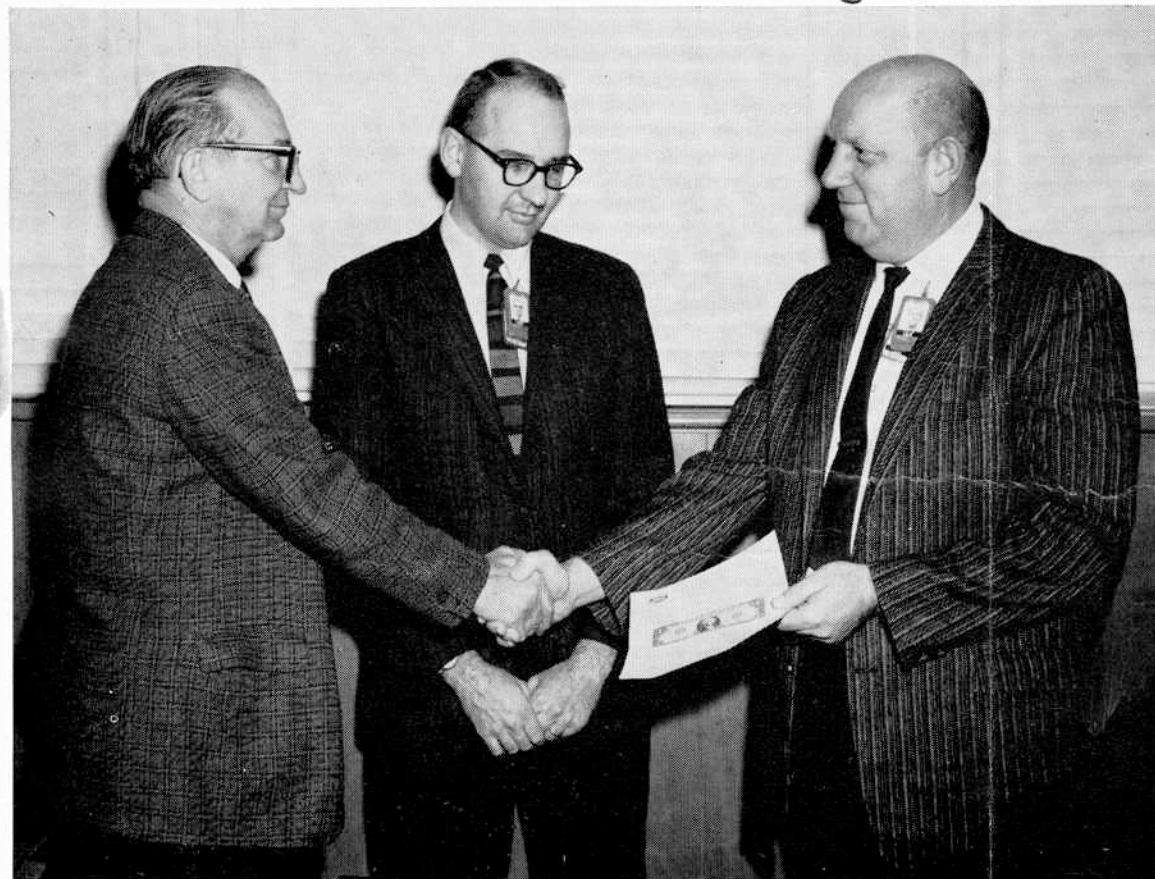
But if we take away someone else's rights for liberty, life, or the pursuit of happiness . . . we are gravely endangering our own.

### How About Taking Physics 3210 With Phil?

Attention, students! Interested in taking Physics 3210 "Mechanics"? A minimum number is needed before the Graduate School will put in a course. If you are interested in taking this Physics course, contact Phil Maguire, extension 3-7271, or Oak Ridge telephone 483-3107. Phil needs some company.

### SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
46 Days Or  
1,365,000 Man-Hours  
(Unofficial Estimate)  
Through February 11  
Without a Disabling  
Injury  
Safety At Home  
At Work, At Play



THE U.S. ATOMIC ENERGY COMMISSION has filed a patent application on Clark Lay's "Phase Detector." Lay, right, in Y-12's Laboratory Department, is congratulated by L. E. Burkhart, as he received his application letter . . . as C. C. Wright, center, looks on.



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member

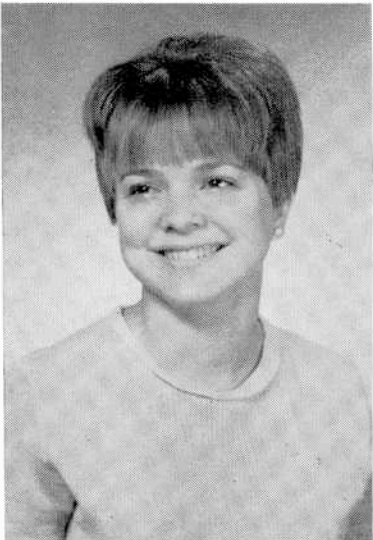


Appalachian  
Industrial  
Editor's  
Association

American Association Industrial Editors

OFFICE

Post Office Box Y  
Oak Ridge, Tenn. 37830  
Telephone 3-7100



Linda Carter

## Rainbows Honor Carter Daughter

Linda Carter was recently elected worthy advisor of the Clinton Assembly No. 61, Order of Rainbow for Girls. The installation services were held at the Clinton Masonic Lodge, Sunday, February 4.

Linda is a freshman at Clinton High School, and is president of the GA's at South Clinton Baptist Church. She is the daughter of Bobby and Jo Carter, Route 6, Clinton. Her father is in Y-12's Dimensional Inspection.

## 'Odd Couple' Call Board Is Monday

Neil Simon's constantly funny lines, and a situation which amuses everyone, combine to make "The Odd Couple" one of the most successful comedies of our time. Tryouts for this play will be held next Monday, February 19, at 7:30 p.m., at the Playhouse in Jackson Square. Director Paul Ebert will be casting Oscar and Felix, roles which were originally played by Walter Matthau and Art Carney, as well as four poker players who show up at Oscar's apartment every Friday night and two pretty English girls who live in the apartment upstairs.

Oscar and Felix have become apartment-mates since Oscar is divorced and Felix's wife has thrown him out. The two prove to be incompatible and their dialogue begins to sound like a regular husband and wife quarrel. The final confrontation scene between the two leads to Felix once again being thrown out and Oscar trying to relax back into his old sloppy ways.

"The Odd Couple" will open Friday, April 26, and rehearsals begin in mid-March. It is emphasized that no previous dramatic experience is required to read for any part.

## Milt Carey Leads In New Comedy

"Seidman and Son," a three-act comedy, will be repeated Saturday and Sunday, February 17, 18 at the Oak Ridge Playhouse. Curtain-time for both performances will be 8:20 p.m. The play, presented by the Sisterhood of the Jewish Congregation, opened last Sunday, February 11. It is set against a backdrop of the high-fashion industry and comments on the "generation gap."

Milt Carey, Production Scheduling, plays the leading role of Morris Seidman, 7th Avenue dress manufacturer. Dotti Guberman portrays his wife. The cast also includes a highly paid designer, a star salesman with a 'lady-killer' reputation, an adolescent son involved in civil rights and fair labor practices, and a teen-age daughter.

Immediately following the play Saturday and Sunday, theatergoers may complete their evening by attending a fund-raising Coffee House for the Daniel Arthur Rehabilitation Center sponsored by the Oak Ridge Section of the National Council of Jewish Women. The Coffee House will be held from 10 p.m. until midnight at the Alexander Hotel. Roberta and Don Steiner, playing the guitar and singing, will be the featured entertainers both evenings.

Tickets for the play will be available at the Playhouse box office from 1 p.m. until 5:30 p.m. Thursday and Friday, and on Sunday from 3 until 7 p.m. The box office will open at 7 p.m. prior to each of the two remaining performances.



Mid-February, with its winter doldrums, passes without notice. Marking landmarks, however, are Y-12 veterans. Congratulations.

### 20 YEARS

William H. Park, H-2 and F-Area Shops, February 16.

Carl W. Frazier, Shift Superintendents, February 19.

### 15 YEARS

Patsy J. Stallard, A-2 Shops, 9212, February 15.

Bruce T. Fox, Area Five Maintenance, February 16.

John W. Minchey, Buildings, Grounds and Maintenance Shops, February 16.

Thomas L. Boggs, Buildings, Grounds and Maintenance Shops, February 17.

William C. Pullen, Metallurgical Development, February 17.

Henry L. Hamilton, General Machine Shop, February 18.

Clarence G. Hyde, Buildings, Grounds and Maintenance Shops, February 18.

### 10 YEARS

Edward B. Del Grande, Labor Relations, February 17.

## Famed Concordia Choir Concert Here Saturday

The world-famous Concordia Choir will appear in concert Saturday, February 17, at 8:15 p.m. in the Oak Ridge High School Auditorium. Dr. Paul J. Christiansen, director, recently took the 65-member choir on a tour of Norway, Holland, Germany, Austria, and the Brussels World's Fair, where they were widely and enthusiastically acclaimed.

Singing a capella, the choir will present a program ranging from 16th century classics down

## Abstract Art Fills Home Of Carl Roddy

Who likes abstract art? Well, for one, Carl Roddy, Microreproduction and Engineering Services. "Most people look for things in abstracts, and are disappointed when they can't make anything out," Carl says. "Art is to be enjoyed, rather than understood." And Carl's just the picture-framer of the family.

His wife Lucretia is the real painter. She was chairman for the 1967 Dulin Gallery of Art Sidewalk Show, held some weeks back in Knoxville. Several of her vibrant paintings also appeared in the show.

The Roddys live at 710 Forest View Road, Knoxville.

Mrs. Roddy is a native of Chattanooga and studied at the Fine Arts Department of the University of Chattanooga and portrait painting under Anita Woods. She is now studying at the Fine Arts Department at the University of Tennessee. Lucretia's studio overlooks the city of Knoxville.

In addition to paintings she works with watercolors and is a member of the Knoxville Watercolor Society. Her work was included in the Tennessee Watercolor Competition 1967 at McClung Museum.

Mrs. Roddy was named Area Artist of the Month in January, and her works were displayed at the Dulin Gallery of Art's rental and sales section during last month.

Carl says they have about 25 paintings in their living room.

through the Bach era to the contemporary masters.

The concert is sponsored by the Grace Lutheran Church, Oak Ridge.

### BURNING DRAFT CARDS

You notice it's always the older fellow that burns his draft card. The younger ones have to show theirs to buy beer.



MRS. LUCRETIA RODDY was Chairman for the 1967 Dulin Gallery of Art Sidewalk Show, held recently on the promenade in Knoxville. She is seen above with four of her own paintings that were in the successful show. Lucretia has been painting for some time now, filling their 710 Forest View Road home. (Photo: courtesy, Knoxville News-Sentinel.)



SEMI-ABSTRACT WORK like the girls reading, above, has brought recognition to Mrs. Carl Roddy, as she was named Artist of the Month at the Dulin Gallery in January. Her works were shown there almost the entire month.



A STANDING NUDE IS TYPICAL of the diversified work of Lucretia Roddy. She is Carl (Engineering Services) Roddy's wife, and has been painting for some time, studying in Chattanooga and at UT in Knoxville.



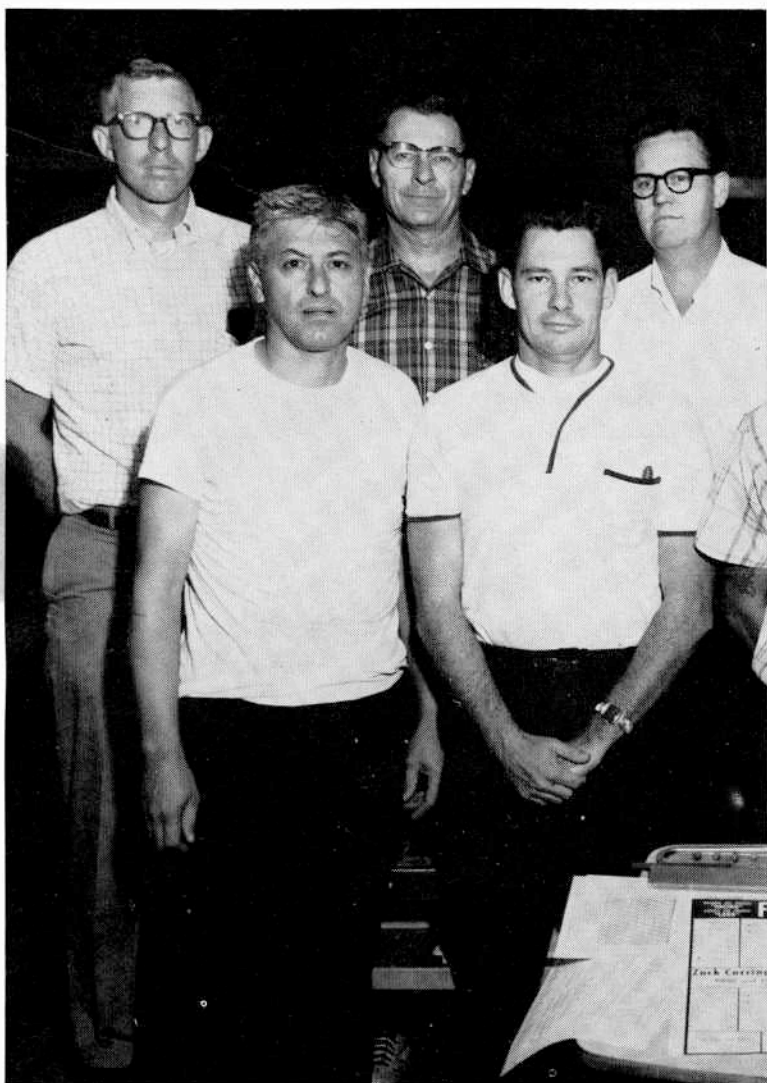
Ride wanted from Halls Cross Roads section, Knoxville, to Bear Creek Portal, straight day. Don Duncan, plant phone 3-7394, home phone Knoxville 687-6303.

Ride wanted from Route 20, Gray-Hendrix Road, Karns section of Knoxville, to West Portal, straight day. N. M. Duncan, plant phone 3-7392, home phone Knoxville 588-1146.

Ride wanted, or will join car pool, from Fountain City, area, Knoxville, to Biology Portal, straight day. Beverly Selmer, plant phone 3-5046, home phone Knoxville 689-2595.

Car pool member wanted from East Village, to any portal, Y-12, straight day. Shirley Kirkwood, plant phone 3-7169, home phone Oak Ridge 483-5134.





**THE BADGERS ARE AMONG THE TOP FIVE** teams in the C Bowling League, according to the latest standings. In the front row, from left, are Tom Pappas and Captain Dick Huber. In the rear are Hugh Richards, Sam Campbell and A. E. Smith.

## Table Tennis Top Men Help Cause

Geoffrey Newman savored his tight hold on the lead in the X Table Tennis League last week, with a three-game victory over Loyd Wyatt, and a two-point win over Bill Foutz.

Herb Mook downed Jerry Keyes for three also. Roy Huddleston defeated Bill Motley . . . and Herve Derrien routed Bill Foutz for two.

X League standings:

Player	W	L
Geoffrey Newman	25	2
Herb Mook	15	12
Loyd Wyatt	15	12
Roy Huddleston	14	13
Herve Derrien	14	13
Bill Motley	13	14
Bill Foutz	8	19
Jerry Keyes	4	23

Gordon Brewer bested Paul Kasten two out of three in Y action. Ed Gambill gained three from Francois Kertesz and Art Weinberger. He also gained three from Bob Brown by forfeit. Al Norris defeated Weinberger for three, as did Paul Kasten.

Y League standings:

Player	W	L
Gordon Brewer	22	5
Bob Coveyou	19	5
Ed Gambill	19	8
Al Norris	17	10
Paul Kasten	16	11
Fred Wetzel	8	7
Art Weinberger	5	13
Francois Kertesz	7	17
Rokuro Oyamada	7	17
Bob Brown	0	24

Most games in the Z League went via forfeit.

Bob Smith collected three at the expense of Winfred Collins. A. B. Meserve got a leg-up thanks to Tudor Boyd.

Actionwise it was Ken Toth three games over Dave Allen.

Z League standings:

Player	W	L
Bob Smith	23	1
Joe Lewin	13	5
Bill Hackett	11	7
A. B. Meserve	13	8
Dave Allen	6	15
Ken Toth	3	3
Tudor Boyd	0	9
Winfred Collins	0	21

## Parbusters Eke Out 1-Point Lead

The Parbusters pushed their way into a one-point lead in C Bowling last week, thanks to a three point win over the Fireballs. The Sunflowers took the Royal Flush, the Badgers bested the King Pins and the Big Five beat the Rodders, all to the tune of three also.

Four-point sweeps went to the HiLifers over the Rounders, and the Invalids past the Rollmasters.

Al Gladson, Fireballs, rolled a 236 single scratch game. Dave Woody, Royal Flush, put a 259 single handicap down. Ray Galford, Sunflowers, rolled new highs of 639 scratch, 684 handicap in series counting.

The Big Five were best in scratch count, singles of 929, series of 2622 . . . while the Parbusters beat out the lot in handicap count . . . singles of 1050, series of 2991.

League standings follow:

Team	W	L
Parbusters	15	5
Rounders	14	6
Sunflowers	14	6
Badgers	12	8
HiLifers	11	9
Invalids	10	10
Fireballs	9	11
Big Five	9	11
Royal Flush	8	12
Rodders	7	13
Rollmasters	6	14
King Pins	5	15

## Beavers Lengthen Volleyball Lead

Y-12's Beavers remain out front by seven games in the Volleyball League, after a four-game win last week from the Neophytes 15-9, 15-5, 15-3, and 15-8.

Other action on Court A saw the Set-Ups down the Charley Browns 15-5, 15-1, 15-0 and 15-6. The Old Men ousted the Ecobums 15-9 . . . then lost three 15-13, 15-3 and 15-7.

On Court B the Mountaineers

## Roses 'N Thorns Take Mixed Lead

The Roses 'N Thorns moved out to lead the Mixed Bowling League last week, after a three-point win over the McSprays. The Hits & Misses hit the Mustangs for three. Moving up were the Goofers who gained four over the Alley Cats. The Twisters took three from the Rollers.

Steve Pintur, Alley Cats, rolled singles of 214 scratch, 249 handicap. Bill Hackett, Roses 'N Thorns, rolled series of 600 scratch, 669 handicap!

Barbara Hackett, R 'N T, took female singles with 182 scratch, 225 handicap. Joyce Gillihan, Rollers, rolled series of 482 scratch, 602 handicap.

Teamwise, it was the Roses 'N Thorns with singles of 645 scratch, 800 handicap . . . and the Goofers with 1819 scratch, 2323 handicap.

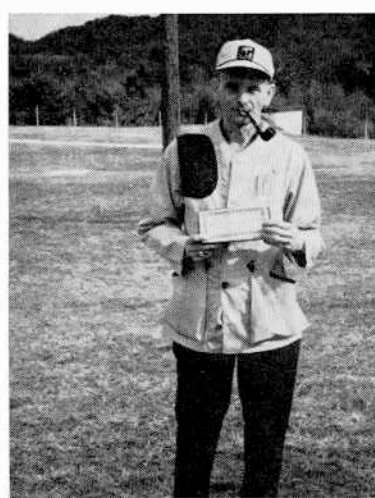
League standings follow:

Team	W	L
Roses 'N Thorns	18	10
Mustangs	16	12
Rollers	15	13
Hits & Misses	15	13
Goofers	14	14
Twisters	13	15
McSprays	12	16
Alley Cats	9	19

defeated the Mix-Ups 15-7, 15-13 . . . while the MU's won games two and three 15-10 and 15-8. The Naughts nixed the K-25 Gashouse Gang 15-9, 15-3, 15-10 and 15-3. The Dirty Half Dozen zoned in over the K-25 Hawks 15-7, 15-6, 15-4 and 15-5.

League standings follow:

Team	W	L
Beavers, Y-12	39	1
Ecobums, ORNL	32	8
Set-Ups, ORNL	32	8
Old Men, ORNL	31	9
Dirty Half Dozen, K-25	31	9
K-25 Hawks	21	19
Naughts, ORNL	14	26
Mountaineers	13	27
Neophytes, Y-12	9	31
Charley Browns, ORNL	7	33
K-25 Mix-Ups	7	33
K-25 Gashouse Gang	4	36



**R. A. ALLSTUN, SPECIAL SERVICES**, is seen at the January Skeet Tournament after winning first place. He holds a gift certificate, for first place. They are also given for second and third place shooters. All Carbide employees are eligible to shoot and all kinds of free advice is available. Come on out and join the next shoot, Sunday, March 3, at 1 p.m. at the Oak Ridge Sportsmen's Association range.

## Markers Make Way Into Classic Top

The Markers stand out one and one-half points ahead of the pack in the Classic Bowling League. Last week they routed the Rebels for three points.

Four point wins went to the Bumpers by the Tigers the Swingsters past the Splinters, the Has Beens over the Smelters, and the Cubs by the Screwballs.

Three points were gleaned as the Eagles edged by the Playboys, the Rippers tore by the All Stars and the Eightballs raced past the Pinbusters.

George Cantrell, Swingsters, rolled a 226 single scratch game. . . . Dick Brothers, Playboys, posted a 249 handicap single. Ray Galford, Bumpers, was best in series with a 578 scratch . . . and Jim Disney, Has Beens, put a 664 handicap series on the boards.

The Cubs captured singles honors, 948 scratch, 119 handicap . . . while the Bumpers were best in series . . . 2650 scratch, 2980 handicap.

League standings follow:

Team	W	L
Markers	18½	9½
Pinbusters	17	11
Rebels	17	11
Bumpers	17	11
Eagles	16	12
Swingsters	16	12
All Stars	15½	12½
Playboys	15	13
Eightballs	15	13
Has Beens	15	13
Cubs	13	15
Splinters	12	16
Tigers	9½	18½
Screwballs	7	21
Smelters	5	23

## This Week's Volleyball Postponed 'Til Tuesday

There will be no Volleyball action tomorrow, Thursday, February 15. Tomorrow's schedule will be played Tuesday, February 20 . . . beginning at 6:30 p.m. at the Oak Ridge High School Gym.

On Court A, it will be K-25 Gashouse Gang vs. Mix-Ups; Dirty Half-Dozen vs. Ecobums; and Old Men vs. Set-Ups; On Court B, Mountaineers vs. Beavers; Neophytes vs. K-25 Hawks; and Charley Browns vs. Naughts.

Next week no volleyball is set for Thursday, February 22, because of the holiday.

## UP IN SMOKE

Americans smoked 551 billion cigarettes last year—an average of 215 packs for every person in the country 18 years or older.

## Basketballers Set Second Half Play

The Carbide Basketball League roared out last week to begin its second half of action.

First to bat were the Chargers vs. Combustion . . . the Chargers winning 47 to 28.

Ray Leffler was top gun for the winners, with 26 points . . . Larry DeRoos scored 14. On the losing squad it was Bobby Belt, belting 10 points.

The Atoms pulverized the Sharp Shots in game number two Monday. Jim Williams towered over the troops with 27 big points. John Gilbert and Bob Brown sank seven for the losing team.

The Eagles from Y-12 eked by the TK's 51 to 47 in final play Monday . . . as Ron Gamrot and Dick Boughner put 12 and 11 through the basket. The TK's leaned on Richard Hudson for 15, and Doug Raymer for 12.

Wednesday's action started as the Helath Physics team took the Bat Boys apart 55 to 23. Larry Finch hit his first five straight shots to put the HP's off to a flying start and they completely dominated the game. Big Jim Treadwell began hitting the second and third quarters to lead scoring with 23 points.

The Bombers blasted the Isotopes 48 to 32, using zone defense to good effect. The Isotopes were not allowed many good shots.

Herm Thomas led the winners with 12 points . . . hitting 10 straight foul shots in the second quarter.

Final game Wednesday put the K-25 Falcons out ahead of the Sharp Shots 45 to 31. A slow moving ball game, with the Falcons staying out ahead all the way. Bill Sharp and Troy Beets controlled the boards for the Falcons a while . . . with Sharp, Moore and Beets combining for 36 of the 45 points.

League standings follow:

Team	W	L
Health Physics, ORNL	1	0
Bombers, ORNL	1	0
K-25 Falcons	1	0
Chargers, Y-12	1	0
Atoms, Y-12	1	0
Eagles, Y-12	1	0
Bat Boys, Y-12	0	1
Isotopes, ORNL	0	1
Combustion, ORNL	0	1
TK's, ORNL	0	1
Sharp Shots, ORNL	0	2

## Health Physics Basketball Winners

The Basketball League last week wound up action for the first half . . . with the final three games under the wire February 6.

First to bat was the big Combustion team, ORNL, against Y-12's Atoms. The Combustion combo won 57 to 45 . . . as Jim McCall collected 16 points; Curt McGinnis, 15, and Bobby Belt, 12 for the winning team.

Jim Williams dunked in 19 for the losers. . . . Don Forrester fell 12.

The second action action as the Health Physics eked by the TK's in final moments of the game.

Jim Carter, as usual, led teammates with 17; Larry Finch and Jim Treadwell collected 12 each. For the losers it was Doug Raymer, 19; Richard Hudson, 16.

Final play came as the Radioisotopes ran past the Y-12 Bat Boys 47 to 38.

Joe Crunk sunk 13 for the winners; Dave Smiley and Jim Gison, 10, each for the big team.

On the losing side it was Hugh Beeson, with 12.

Final First Half Standings:

Team	W	L
Health Physics, ORNL	10	0
Bombers, ORNL	9	1
Eagles, Y-12	8	2
TK's, ORNL	6	4
Combustion, ORNL	6	4
Chargers, Y-12	5	5
Atoms, Y-12	4	6
K-25 Falcons	3	7
Radioisotopes, ORNL	3	7
Sharp Shots, ORNL	1	9
Bat Boys, Y-12	0	10

## Recreation



### Friday, February 16

**BOWLING:** Deadline for March 2, 3 tournament . . . 4:30 p.m.

### Monday, February 19

**BASKETBALL:** Beginning 6:30 p.m. Oak Ridge High School Gym. Atoms vs. Combustion; Health Physics vs. TK's; Chargers vs. Bat Boys.

**TABLE TENNIS:** 7 p.m., Oak Ridge Wildcat's Den.

**BOWLING:** C League, 5:45 p.m., Ark Lanes.

**PHYSICAL FITNESS:** (For Women) 7:30 p.m. Oak Ridge High School Girls' Gym.

### Tuesday, February 20

**PHYSICAL FITNESS:** 7:30 p.m. Oak Ridge High School Gym.

**BASKETBALL:** Beginning 6:30 p.m. Robertsville Jr. High School. Chargers vs. TK's; Sharp Shots vs. Bombers; Health Physics vs. Radioisotopes.

**VOLLEYBALL:** Beginning 6:30 p.m. (Schedule of Feb. 15) Court A: K-25 Gashouse Gang vs. Mix-Ups; Dirty Half-Dozen vs. Ecobums; Old Men vs. Set-Ups. Court B: Mountaineers vs. Beavers; Neophytes vs. K-25 Hawks; Charley Browns vs. Naughts.

### Wednesday, February 21

**BOWLING:** Mixed League, 8 p.m. Ark Lanes.

**BASKETBALL:** Beginning 6 p.m. Oak Ridge High School Gym. Radioisotopes vs. Sharp Shots; Bombers vs. Eagles; Health Physics vs. K-25 Falcons; Atoms vs. Bat Boys.

### Thursday, February 22

**NO VOLLEBALL.**

**BOWLING:** 5:45 p.m. Ark Lanes, Classic League.

### Friday, February 23

**HOLIDAY FOR Y-12ers.** Celebrating Washington's birthday . . . one day late.





**CRADLE LEARNING FOR THE 21st CENTURY . . .** This infant is learning by watching exotic fish, snails, plant and iridescent nuggets in a heavy vinyl pouch tank hung on his crib. New possibilities and trends in early childhood education will be reported in "The 21st Century" telecast "From Cradle to Classroom," the first part of a two-part analysis of pre-school education in the future, Sunday. The show will be seen over WBIR-TV, Channel 10, at 6 p.m., EST, Sunday, February 18. It is broadcast over the CBS-TV network in color and sponsored by Union Carbide Corporation. The toy is a product of Creative Playthings Laboratories and is designed for infant education soon after birth.

## Education From Birth In 21st Century Says 'From Cradle To Classroom' Program

Twenty-first century education may begin at birth, reports CBS News Correspondent Walter Cronkite in "The 21st Century" two part analysis of pre-school education in the future. The program is entitled "From Cradle to Classroom," and will be shown Sunday, February 18, at 6 p.m., EST, in color on the CBS Television Network. Cronkite is principal reporter for the series, which is sponsored in the public interest by Union Carbide Corporation. (The program is aired locally over Channel 10, WBIR-TV.)

The two basic philosophies of early education, one concerned mainly with the child's emotional and social development, and the other with his intellectual development, will be studied at child care and research centers throughout the United States and the Soviet Union.

"Collectivized education" that claims to make a child more self-reliant, unselfish and able to judge the reality of what it sees and hears will be seen at the Moscow Institute of Pediatrics. The institute, one of 15 special Soviet research and child care

facilities, takes the baby at birth with the aim of developing it physically, intellectually and sociologically. The child will be three years old before being returned to its parents, though they have visiting privileges at feeding and bathing times.

How a two-year-old baby can learn to read will be demonstrated with the Edison Responsive Environment Talking Typewriter, which can pronounce letters, words and sentences.

Constructive play will be demonstrated by the University of Florida College of Education, which trains instructors to work with parents and baby in the home. This program begins when the baby is three months old and continues until it reaches two years of age.

New theories of play and new toys will be seen undergoing testing at the Creative Playthings Laboratory, Princeton, New Jersey. Play during the first years of a child's life is considered one of the keys to his future growth and development.

Part I of "From Cradle to Classroom" will be shown Sunday . . .

## Union Carbide Plans Swiss Plant

Plans to build a coatings service plant in Geneva, Switzerland, were announced recently by Birny Mason Jr., chairman of the board of Union Carbide Corporation. This plant will provide a custom engineering service for applying wear-resistant surfaces to machine parts and tools. This service will be used mainly by the aircraft, textile, electronics and paper industries.

The plant is scheduled for completion early in 1968. It will be owned and operated by UCAR S.A., a Swiss subsidiary of Union Carbide. The new plant will house 21,500 square feet of processing, machining, laboratory, and office space. About 40 trained technicians, most of them recruited in Switzerland, will operate and maintain the special equipment that will be used.

Although this venture will be Union Carbide's first affiliated manufacturing facility in Switzerland, it is already a familiar company name in that country. Union Carbide Europa S.A. has maintained sales offices in Geneva since 1948 and a Technical Service Laboratory in Versoix since 1961.

Union Carbide coatings service is offered from plants in Warwick and Glossop, England; Tokyo, Japan; Toronto, Canada; Charlotte, North Carolina; North Kansas City, Missouri; North Haven, Connecticut; Indianapolis, Indiana; and Los Angeles, California.



## WHAT'S NEW?

Mr. and Mrs. Robert L. Wesley, Classification and Information, announce the birth of a daughter Cindy Karen, February 4. She weighed nine pounds, 12 and three-quarter ounces. Cindy put her appearance in at the U. T. Memorial Hospital, Knoxville.

### NEW JET AGE

The new jet age is really something. You breakfast in London . . . have lunch in New York . . . dinner in Los Angeles. Meanwhile, your luggage ends up in Blowing Rock, North Carolina!



**UNION CARBIDE CORPORATION**  
NUCLEAR DIVISION  
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

(RETURN POSTAGE GUARANTEED)

BULK RATE  
U.S. Postage  
PAID  
Oak Ridge, Tenn.  
Permit No. 71



**THE LOUDON COUNTY RESCUE SQUAD** proudly displays the latest addition in force, as Patches proudly rides the squad's car. G. W. Smith, Buildings, Grounds and Maintenance Shops, is seen above with the bloodhound, who really has taken to rescue work. "He has amazing intelligence," squad members state.

## 'Patches,' A Young Bloodhound, Assists Loudon Rescue Squad In 'Nosey' Work

Three Y-12 employees are active members of the Loudon County Rescue Squad . . . and they have something to talk about lately!

The Squad recently acquired a two-year-old bloodhound and the members are getting a work-out, training with the beast. (You see, Patches has already had his training. He underwent an intensive eight-week course at Brushy Mountain Penitentiary learning whatever bloodhounds have to learn.)

G. W. Smith, Buildings, Grounds and Maintenance Shops, who is now a lieutenant with the squad recently conveyed this above picture to the Bulletin. "We are proud of the dog. He is really smart," Smith added. "He is not mean at all, even likes children. The only things he doesn't like are cats, others dogs, and horses. And he can really trail."

The dog will be used in rescue work.

"It takes him about 10 or 15 minutes to settle down after you turn him loose, then his nose goes to the ground and he doesn't raise it until he finds what he's looking for," Smith grins.

Other Y-12 squad members are Clyde Feazell, Machine Tool Engineering; Claude Maples, A-2 Shops, 9212; and W. L. Parton, Maintenance. Feazell is boarding the bloodhound just now. "He eats like a horse," Smith stated.

The Loudon County Rescue Squad, like other local rescue groups, depends on the United Fund for its equipment money. The volunteer workers accept no pay for their services, often

working long hours, missing work, going without food or sleep, to help others in distress.

The bloodhound will be of immeasurable service to the Squad, members of the Loudon County group believe.

## Bowling Dead-Line For Tournament Nears

Bowlers wishing to enter the Y-12 Bowling Tournament set the first week-end in March . . . attention. The dead-line for entering the competition is Friday, February 16 at 4:30 p.m.

If you have bowled at least 15 games in a sanctioned league between August 15, 1967 and February 9, 1968 . . . and are employed in Y-12 you are eligible to participate in all the action.

Recreation, extension 3-7109, can give you more details . . . entry forms, etc.

## MIT's Montgomery Will Speak On Magnet Lab

Dr. Bruce Montgomery, Chief Engineer, Francis Bitter National Magnet Laboratory, MIT, will be guest speaker at the Thermonuclear Division seminar next Tuesday. His subject will be "The Magnet and Superconductivity Research Program of the Magnet Lab at MIT."

The seminar is set for next Tuesday, February 20, at 3 p.m. in the TD Conference Room, Building 9201-2.

Think before you talk.



**IN LIEU OF SENDING CHRISTMAS CARDS** within the group, personnel of the Development Maintenance Group, above, decided to use the money to buy bricks for the East Tennessee Children's Hospital. Two hundred bricks were purchased with the money raised by the group.

124189